

ARTEM'YEV, Yu.N., kand. tekhn. nauk; ASTVATSATUROV, G.G., inzh.; BARABANOV, V.Ye., inzh.; BARYKOV, G.A., inzh.; BISNOVATYY, S.I., inzh.; GALAYEVA, L.M., inzh.; GAL'PERIN, A.S., kand. tekhn. nauk; GAL'CHENKO, I.I., inzh.; GONCHAR, I.S., kand. tekhn. nauk; DEGTYAREV, I.L., kand. tekhn. nauk; DYADYUSHKO, V.P., inzh.; YERMAKOV, I.N., inzh.; ZHOTKEVICH, T.S., inzh.; ZUSMANOVICH, G.G., inzh.; KAZAKOV, V.K., inzh.; KOZLOV, A.M., inzh.; KOROLEV, N.A., inzh.; KRIVENKO, P.M., kand. tekhn. nauk; LAPITSKIY, M.A., inzh.; LEBEDEV, K.S., inzh.; LIBERMAN, A.R., inzh.; LIVSHITS, L.G., kand. tekhn. nauk; LOSEV, V.N., inzh.; LUKANOV, M.A., inzh.; LYUBCHENKO, A.M., inzh.; MAMEDOV, A.M., kand. tekhn. nauk; MATVEYEV, V.A., inzh.; ORANSKIY, N.N., inzh.; POLYACHENKO, A.V., kand. tekhn. nauk; POPOV, V.P., kand. tekhn. nauk; PUSTOVALOV, I.I., inzh.; PYTCHENKO, P.I., inzh.; PYATETSKIY, B.G., inzh.; RABOCHIY, L.G., kand. tekhn. nauk; ROL'BIN, Ye.M., inzh.; SELIVANOV, A.I., doktor tekhn. nauk; SEMENOV, V.M., inzh.; SKOROKHOD, I.I., inzh.; SLABODCHIKOV, V.I., inzh.; STORCHAK, I.M., inzh.; STRADYMOV, F.Ya., kand. tekhn. nauk; SUKHINA, N.V., inzh.; TIMOFEEV, N.D., inzh.; FEDOSOV, I.M., kand. tekhn. nauk; FILATOV, A.G., inzh.; KHODOV, L.P., inzh.; KHROMETSKIY, P.A., inzh.; TSVERKOV, V.S., inzh.; TSVITLIK, B.Ye., inzh.; SHARAGIN, A.M., inzh.; CHISTYAKOV, V.B., inzh.; BUD'KO, V.A., red.; PESTHYAKOV, A.I., red.; GUREVICH, M.M., tekhn. red.

(Continued on next card)

ARTEM'YEV, Yu.N.— (continued) Card 2.

[Manual on the repair of machinery and tractors] Spravochnik po
remontu mashinno-traktornogo parka. Pod red. A.I.Selivanova.
Moskva, Sel'khozizdat. Vols.1-2. 1962. (MIRA 15:6)
(Agricultural machinery—Maintenance and repair)
(Tractors—Maintenance and repair)

KRIVENKO, P.M., inzh.; EEDOSOV, I.M., inzh.; ROZIN, M.A., red.;
DEYEVA, V.M., tekhn. red.

[Technical maintenance of diesel fuel apparatus]Tekhnicheskoe
obsluzhivanie dizel'noi toplivnoi apparatury. Izd.2., perer. 1
dop. Moskva, Sel'khozizdat, 1962. 373 p. (MIRA 16:2)
(Diesel engines--Fuel systems)

ALEKSANDROV, A.M., inzh.; BAZHENOV, V.S., inzh.; BOBROVNIKOV, B.N.,
inzh.; VAGANOV, M.P., inzh.; GUREVICH, B.M., inzh.;
DZHIBELLI, V.S., inzh.; DROBAKH, V.T., inzh.; ISAKOVICH,
R.Ya., kand. tekhn. nauk; KAPUSTIN, A.G., inzh.; KONENKOV,
K.S., inzh.; MININ, A.A., kand.tekhn.nauk; PEVZNER, V.B.,
inzh.; PESKIN, G.L., inzh.; PORTER, L.G., inzh.; PRYADILOV,
A.N., inzh.; SLUTSKIY, L.B., inzh.; PEDOSOV, I.V., inzh.;
FRENKEL', B.A., inzh.; TSIMBLER, Yu.M., inzh.; SHUL'GIN,
V.Kh., inzh.; ESKIN, M.G., kand. tekhn. nauk; VOROB'YEV,
D.T., inzh. [deceased]; SINEL'NIKOV, A.V., kand. tekhn.
nauk; SHENDLER, Yu.I., kand. tekhn. nauk, red.; NESMELOV,
S.V., inzh., zam. glav. red.; NOVIKOVA, M.M., ved. red.;
RASTOVA, G.V., ved. red.; SOLGANIK, G.Ya., ved. red.;
VORONOVA, V.V., tekhn. red.

[Automation and apparatus for controlling and regulating produc-
tion processes in the petroleum and petroleum chemical industries]
Avtomatizatsiya, pribory kontrolya i regulirovaniya proizvodstven-
nykh protsessov v neftianoi i neftekhimicheskoi promyshlennosti.
Moskva, Gostoptekhizdat. Book 3. [Control and automation of the
processes of well drilling, recovery, transportation, and storage
of oil and gas] Kontrol' i avtomatizatsiya protsessov bureniya
skvazhin, dobychi, transporta i khranenija nefti i gaza. 1963.
551 p. (Automation)
(Petroleum production-Equipment and supplies)

FEDOSOV, L.; BELOUSOV, Ye., arkitektor

Kommunarsk. Zhil. stroj. no.1:19-21 '63.

(MIRA 16:2)

1. Glavnnyy arkitektor g. Kommunarska (for Fedosov).

YEDOSOV, L.M., inzhener.

Compound presses for pressing gear wheels on stems with simultaneous riveting. Priborostroenie no. 7:31 J1 '57. (MIRA 10:9)
(Clockmaking and watchmaking)

ZBITNEV, B.I., kand. ekonom. nauk; FEDOSOV, M.A., inzh.

Standard ships for the rivers of Siberia and the Far East.
Trudy TSNIIEVT no.17:153-169 '59. (MIRA 14:9)
(Siberia--Inland water transportation)
(Soviet Far East--Inland water transportation)

FEDOSOV, M.F.

SIL'AL', Aleksandr Iosifovich; FEDOSOV, M.F., otvetstvennyy red.; OSVINSKAYA,
A.A., red.; KONTUROVICH, A.I., tekhn.red.

[Applied theory of elasticity] Prikladnaya teoriia uprugosti.
Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1957.
246 p. (MIRA 11:4)
(Elasticity)

NOGID, Lev Markovich; FEDOSOV, M.P., nauchnyy red.; KUSKOVA, A.I.,
red.; FRUMKIN, P.S., tekhn.red.

[Theory of similitude and dimensional analysis] Teorii
podobija i razmernosti. Leningrad, Gos.sciuznoe izd-vo
sudostroit.promyshl., 1959. 93 p. (MIRA 12:9)
(Shipbuilding) (Dimensional analysis)

KURDYUMOV, Aleksandr Aleksandrovich; BABAYEV, N.N., prof., doktor tekhn. nauk, retsenzent; FEDOSOV, M.F., nauchnyy red.; KUSKOVA, A.I., red.; KONTOROVICH, A.I., tekhn. red.

[Ship vibrations] Vibratsiya korablia. Izd.2., dop. i perer. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshlennosti, 1961. 317 p.
(MIRA 14:11)

(Elastic rods and wires) (Vibration (Marine engineering))
(Ships—Hydrodynamic impact)

YAKERSON, Matvey Semenovich; TSYBUL'SKIY, Vladimir Abramovich. Prinimali
uchastiye: LABUDIN, I.A.; FEDOROV, Ye.L.; KULLO, I.O.; CHIZHEVSKIY,
A.L.; POLENOV, A.N.; NIKITIN, M.N.; IVANOV, I.I.; GEYNT, N.V.;
FEDOROV, Ye.V.; FEDOSOV, M.G. YEGOROVA, K.I., red.; ONOSHO,
N.G., tekhn.red.

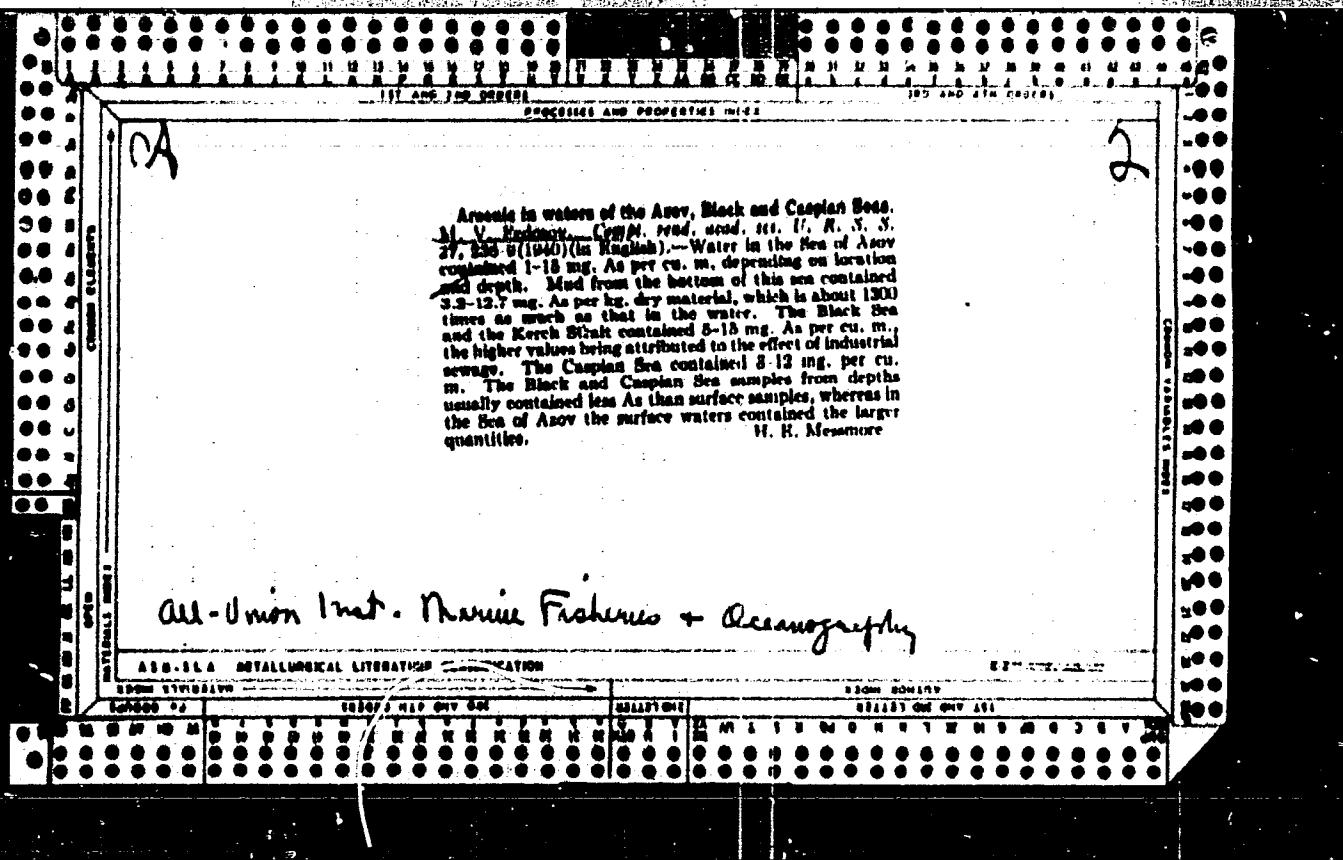
[The "Znamia Truda" Factory; a brief account of the "Znamia Truda"
Armature Factory in Leningrad] Znamia truda; kratkii ocherk isto-
rii leningradskogo armaturnogo zavoda "Znamia truda," 1960. 207 p.
(MIRA 14;4)

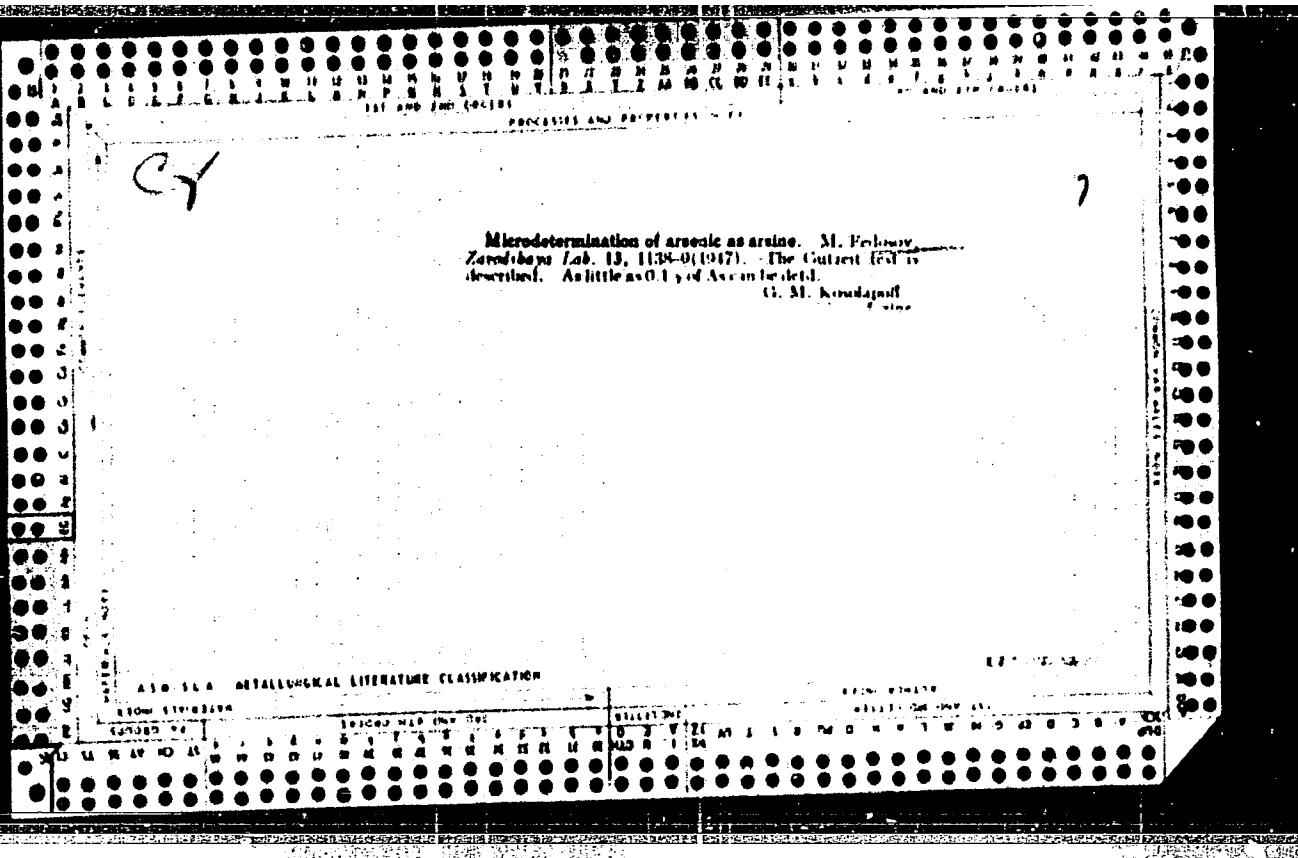
(Leningrad--Factories)

ADIGAMOV, Ya.M.; IOFIN, S.L.; NASUPA, N.A.; FEDOSOV, M.K.; SHCHEPANOV, P.A.

Improving the working of the Zolotushinskoye deposit. Sbor.
trud. VNIITSVETMET no.4:20-36 '59. (MIRA 16:8)

(Mining engineering)





Russia, p. 7.

"Biochemical Consumption of Oxygen by the Soils of the Northern Caspian and Their Relative Regenerative Capacity", Trudy GOIN, № 10 (22), 1948 (156-146)

SO: U-3032, 11 Mar 1953

FEDOSOV, M. V.

Caspian Sea

Suspended matter in the Northern Caspian. Met. i gidrol. no. 3, 1949.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

FEDOSOV, M. V.

180T5

USSR/Chemistry - Analysis, Water

Nov 50

"Elimination of Arsenates in Colorimetric Determination of Phosphates," M. V. Fedosov, All-Union Inst Sea Fishing Ind and Oceanography

"Zavod Lab" No 11, pp 1395, 1396

Method is based on sepn of phosphate- and arsenate- ions with hydrogen. Achieved complete elimination of arsenates from soln by unification of evapn process and process of reducing arsenic compd with zinc in acid medium. Procedure removed all arsenates within $\frac{1}{2}$ hr, and decanted liquid was ready for colorimetric detn of phosphorus.

180T5

PEDOSOV, N.V.

New data on the hydrochemistry of the Aral Sea. Mat. k pozn. fauny
i flory SSSR, Otd. zool., no.19:44-61 '50.
(Aral Sea--Water--Composition) (MIRA 11:3)

FEDOSOV, M. V.

"Hydraulic Engineering and Fisheries in the Azov and Black Sea Region,"
Priroda, 41, No.1, 1952

*General & Inorganic
Chemistry - 2*

CP

The intensity of deposit formation in the Azov Sea. M. V. Fedorov. *Doklady Akad. Nauk S.S.R.* 64, 557-3 (1953).—The influx of solids into the Sea of Azov from the river mouths and the outflow into the Black Sea are considered on the basis of known earlier data. An av. production of 90,000 tons of plankton matter daily appears to be probable with 230 days of vegetation per year. Some 5-10% of this can be expected to be deposited on the bottom. The main mineral deposit consists of carbonates, predominantly of Ca. The ratio of carbonates to bicarbonates is 2.1%, corresponding to the pH 7.73 actually found and calcd. from the compn. of flowing river waters at the river mouths. In the sea proper that carbonate-bicarbonate ratio shifts closer to 15%; the silt of the Azov Sea is close to that of surface layers of the Black Sea, and the net residuum of HCO_3^- radical per yr. remaining in the Azov Sea is estd. at 300,000 tons. The excess carbonate is consumed in formation of mollusk shells, eventually amounting to nearly 2,000,000 tons of CaCO_3 deposited per yr. The bottom of the sea has av. CaCO_3 content of 8%. Actual tests indicate that the carbonate supernat. of the waters is very small (1-2%). Thus, the max. annual deposition consists of some 11,240,000 tons, composed of 7,700,000 tons of inorg. deposits from river silt, 240,000 of org. river silt, 2,250,000 of org. silt formed in the sea suspension, and 1,000,000 of chemically deposited carbonates. This amounts to a layer 0.6 mm. thick. O. M. Kostolapoff

FEDOSOV, M.V., kand.khim.nauk; VINOGRADOVA, Ye.G.

~~Basic hydrochemical features of the Sea of Azov. Trudy VNIIRO 31:~~
9-34 '55. (MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii.
(Azov, Sea of--Hydrology)

FEDOSOV, M. V.

Category: USSR

D

Abs Jour: RZh--Kh, No 3, 1957, 7875

Author : Fedosov, M. V. *Can. Chem Sci*

Inst : All-Union Science Research Institute for Oceanography and Fishing
Industry

Title : The Chemical Composition of the Feed to the Azov Sea and a Prognosis
of the Changes Which Will Be Produced by the Development of the Rivers

Orig Pub: Tr. Vses. N.-I. In-ta Mor. Ryb. Kh-va i Okeanogr., 1955, Vol 31
No 1, 35-61

Abstract: The annual (averaged over a number of years) biogenous river run-off into the Axov Sea breaks down as follows: total phosphorus, 13,194 tons (Don, 6,188; Kuban, 7,006); total nitrogen, 77,551 tons (Don, 47,484; Kuban, 30,067). These figures represent 101 and 33.8% of the P and N content of the marine waters; 76 and 31% of the total content of these elements in the reservoir, including the bottom sediments; and 7.4 and 6.9% of the P and N included in the internal biogenous cycle of the Sea. As a result of development, the P and N run-off of the Don and Kuban rivers will be reduced by 57.5 and 50.5%, respectively.

Card : 1/2

-46-

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Category: USSR

Abs Jour APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041272

The intensive mobilization of the biogenous substances from the bottom deposits into the water mass which will result from the changed hydro-logic conditions will be reduced since the oxygen deficiency in the water layers near the bottom will be reduced because of the increase in salinity of the water, which will range up to 15%; under the former conditions, an oxygen deficiency was observed to exist over 50-70% of the bottom area. The reduction in phytoplankton production resulting from the planned decrease in river flow seldom will exceed 40%.

Card : 2/2

-47-

~~FEDOSOV, M.V., kand.khim.nauk~~

Causes of oxygen deficiency in the Sea of Azov. Trudy VNIRO 31:80-94
'55. (MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii.
(Azov, Sea of--Hydrology) (Oxygen)

BOGOROV, V.G.; BRUYEVICH, S.V.; FEDOSOV, M.V.; UDINTSEV, G.B.

Methods of oceanographic research in the U.S.S.R. Nek. probl.
1 rez. okean. issl. no.1:12-16 '59. (MIRA 13:2)
(Oceanographic research)

YEDOV, M.V., kand.khim.nauk

Changes in the hydrochemical and hydrological conditions of the
Caspian Sea. Trudy VNIIRO 38:5-9 '59. (MIRA 13:4)
(Caspian Sea-Hydrology)

FEDOSOV, M.V., kand.khim.nauk

Characteristics of basic salinity periods of the Caspian Sea
during the past 25 years. Trudy VNIIRO 38:10-13 '59.
(MIREA 13:4)

(Caspian sea--Salinity)

PEDOSOV, M.V., kand.khim.nauk; BARSUKOVA, L.A., kand.khim.nauk

Formation of the regimen of biogenous elements in the Northern
Caspian and the intensity of the formation of phytoplanktonic
organic matter. Trudy VNIRO 38:52-77 '59. (MIRA 13:4)
(CASPIAN SEA--WATER--COMPOSITION)

FEDOSOV, M.V., kand.khim.nauk; BARSUKOVA, L.A., kand.khim.nauk

Gas regimen of water masses in the Northern Caspian. Trudy VNIRO
38:78-87 '59.
(Caspian Sea--Water--Oxygen content)

ZAYTSEV, G.N., kand.geogr.nauk; FEDOSOV, M.V., kand.khim.nauk

Vertical mixing and formation of the hydrochemical regimen of the
upper water layer in the Central and Southern Caspian. Trudy
VMRO 38:134-141 '59. (MIRA 13:4)
(Caspian Sea--Water--Composition)

FEDOSOV, M.V.; STAROSTIN, A.D.

All-Union Scientific Research Institute of Maritime Fisheries
and Oceanography. Biul. Okean. kom. no.5:21-25 '60. (MIRA 13:10)
(Fisheries--Research)

FEDOSOV, M.V.

Oceanographic guiding points in searching for fish in sea fisheries.
Trudy sov. Ikht. kom. no.10: 27-32 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo +
khozyaystva i okeanografii (VNIRO).
(Fisheries--Research)

FEDOSOV, M.V., kand. khimicheskikh nauk; ZAYTSEV, G.N., kand.geografi-
cheskikh nauk

Water balance and chemical regimen of the Baltic Sea and its
gulfs. Trudy VNIIRO 42:7-14 '60. (MIRA 13:9)
(Baltic Sea--Water--Composition)

FEDOSOV, M.V.

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1. Included in the program is a list of titles and authors of papers submitted

is a list of titles and authors of papers submitted
at the Symposium are the following:

GENERAL INFORMATION - Institute of Hydrobiology,
Academy of Sciences of the USSR, 1920
Bogolyubova, N. B., Alliluyeva, E. V., and Kostylev,
V. A. "Microscopic Methods - Micro-
scopic Observation of Hydrobiological Materials in the Form of
Thin Multilayered Scales" (Section IV) (to be
presented by N. B. BOGOLYUBOVA)

GENERAL INFORMATION - All-Union Agricultural Research
Institute of Agroforestry, Botanical Section -
The division "Review of Plantation Silviculture"
and "Silviculture of Cultivated Forests" (Section I)
Bogolyubova, N. B. "Biomass of Agroforestry in
the USSR" (Section VI)

GENERAL INFORMATION - All-
Union Institute of Marine Fishing and Oceanic
Cryology, Moscow - "Quantitative Value of Benthos
in the Protection of Marine Environment".
(Section VII)

GENERAL INFORMATION - All-Union Scientific-Technical
Information Center of the Ministry of Construction,
Moscow - "Role of Microbiology in the Upper
Layer of a Shallow Water Benthos in the
Transformation of Organic Substances" (Section VIII)
(to be presented by L. T. KERZHNER)

ZHUKOVA, A.I.; FEDOSOV, M.V.

Role of microorganisms in the upper layer of bottom sediments of
a shallow sea in the transformation of organic matter. Okeanolog-
ia 1 no.3:450-455 '61. (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo ryb-
nogo khozyaystva i okeanografii.

MARTI, Yu.Yu., otv. red.; ALEKSEYEV, A.P., zam. otv. red.; NOSKOV, A.S., zam. otv. red.; BORODATOV, V.A., red.; VINOGRADOV, L.G., red.; ZAYTSEV, G.N., red.; IZHEVSKIY, G.K., red.; KAZANOVA, I.I., red.; KONSTANTINOV, K.G., red.; MUNTYAN, V.M., red.; NAUMOV, V.M., red.; SEDYKH, K.A., red.; FEDOSOV, M.V., red.; CHUMAKOVA, L.S., red.; AYNZAFT, Yu.S., red.; MUKHINA, Ye.M., red.; FORMALINA, Ye.A., tekhn. red.

[Soviet fishery research in the northwestern part of the Atlantic Ocean] Sovetskie rybokhoziaistvennye issledovaniia v severo-zapadnoi chasti Atlanticheskogo okeana. Moskva, Izd-vo zhurnala "Rybnoe khozistvo," 1962. 375 p. (MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii. 2. Vsesoyuznyy nauchnyy institut morskogo rybnogo khozyaystva i okeanografii (for Marti, Fedosov). (Atlantic Ocean—Fisheries—Research)

FEDOSOV, M.V.

Formation of the chemical foundation of the primary production
in northern seas. TRUDY VNIRO 46:13-18 '62. (MIRA 15:10)
(Phytoplankton)

FEDOSOV, M.V.; YERMACHENKO, I.A.

Conditions governing the formation of the hydrochemical
conditions and primary productivity in the Norwegian and Greenland
 Seas. TRUDY VNIRO 46:18-38 '62. (MIRA 15:10)

{Norwegian Sea—Water—Composition)
(Greenland Sea—Water—Composition)

FEDOSOV, M.V.; ZAYTSEV, G.N.

Water masses of the Baltic Sea. TRUDY VNIRO 46:124-128 '62.

(MIRA 15:10)

(Baltic Sea—Water—Composition)

(Baltic Sea—Phytoplankton)

FEDOSOV, M.V.; DAVIDOVICH, R.L.

Some characteristics of the hydrochemical regime of the Bering Sea.
Trudy VNIRO 48:77-83 '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii i Tikhookeanskiy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii.

FEDOSOV, M.V.; VOLKOVINSKIY, V.Y.

The oxygen regime, an index of the primary productivity of
marine waters. Trudy VNIRO 57:131-144 - 155.

(MIRA 18:6)

FEDOSOV, M.V.

Conditions of the formation of primary food resources of the
ocean. Trudy VNIIRO 57:145-160 '65. (MIRA 18:6)

BESSONOV, N.M.; FEDOSOV, M.V.

Primary production in the shelf waters of the western coast of Africa. Okeanologiya 5 no.5:877-883 '65.

(MIRA 18:11)

1. Laboratoriya promyslovoy okeanografii Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.

FEDOSOV, N., Eng.

Agricultural Machinery

Mounted coupling. MTS 13, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

FEDOSOV, N., inek.

A wide band amplifier. Radio. no. 4:28 Ap '64. (MIRA 17:9)

FEDOSOV, N. F.

Bee Culture

A useful book ("Apiarist's Calendar." N. F. Fedosova, ed. Reviewed by N. Kamshilov).
Pchelovodstvo No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 Uncl.

1. FEDOSOV, N. [F.]
2. USSR (600)
4. Maritime Territory - Bee Culture
7. Book about Maritime Territory beekeepers ("Stalin prize winner." T. Korchangina. Reviewed by N. Fedosov). Pchelovodstvo 29 no. 11, 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

PROKOPOVICH, Petr Ivanovich [deceased]; FEDOSOV, N.F.; FEDOTOV, T.T.,
red.; GOR'KOVA, Z.D., tekhn.red.

[Selected articles on bee culture] Izbrannye stat'i po pchelovo-
vodstvu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 311 p.
(Bee culture) (MIRA 13:8)

KUZNETSOV, Boris Aleksandrovich, doktor biol. nauk, prof.; GAYEVOY,
Yevgeniy Vasil'yevich, kand. sel'khoz. nauk; ~~YUDOVICH, N.I.~~,
red.; GOLUBEKOVA, L.A., tekhn. red.

[Leather raw materials; fundamentals of the commercial study
of materials, evaluation of quality, and primary processing]
Koshevennoe syr'e; osnovy tovarovedeniia, otserka kachestva
i pervichnaia obrabotka. Moskva, Zagotizdat, 1963. 241 p.
(MIRA 16:9)

(Hides and skins) (Leather industry)

BEL'SKIY, B.E., inzhener; BYSTROV, B.M., inzhener, retsenzent; PIRSKIY, F.N.,
retsenzent; FEDOSOV, N.M., kandidat tekhnicheskikh nauk, retsenzent;
SHAPIRO, B.S., inzhener, retsenzent.

[Production of hot-rolled sheet steel] Proizvodstvo goriachekatanoen
listov. Morsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1953. 582 p.
(MIRA 6:5)
(Sheet steel,

Павлов, И.М.

PAVLOV, I.M. professor, dokter tekhnicheskikh nauk; ~~ФЕДОСОВ, Н.М.~~,
~~СЕВАРДЕНКО, В.П.~~; ~~ТАМОВСКИЙ, И.Я.~~, redakter; ~~МАРИН, Б.Е.~~
~~ОХРИМЕНКО, Я. М.~~; ~~ВАЛОВ, Н.А.~~, redakter; ~~ШПАН, Е.Г.~~,
tekhnicheskiy redakter.

[Press working of metals] Obrabotka metallov davleniem. Ped
nauchnoi red. I.M.Pavleva. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1955. 483 p. (MLRA 9:1)

1. Chlen-korrespondent AN SSSR (for Pavlov)
(Metalwork)

FE DOSOV, N.M.
POLUKHIN, P.I., prof., doktor tekhn. nauk; MAKHEYEV, D.I., inzh.; FE DOSOV,
N.M., dots., kand. tekhn. nauk.

Roll passes for a new type of rail chair. Sbor. Inst. stali no.36:
394-413 '57. (MIRA 10:12)

1. Kafedra prokatki Moskovskogo instituta stali im. Stalina,
(Rolling mills) (Railroads--Rails)

FEDOROV, N.P.

25(1,2)

PHASE I BOOK EXPLOITATION

SOV/4549

Polukhin, Petr Ivanovich, Naum Maksimovich Fedosov, Andrey Andreyevich Korolev, and
Yuriy Mikhaylovich Matveyev

Prokatnoye proizvodstvo (Manufacture of Rolled Products) Moscow, Metallurgizdat,
1960. 966 p. Errata slip inserted. 10,500 copies printed.

Ed.: N.P. Gromov; Ed. of Publishing House: V.M. Gorobinchenko; Tech. Ed.: L.V.
Dobuzhinskaya.

PURPOSE: This textbook is intended for students of schools of higher education
for use in the course "Pressworking of Metals." It will also be helpful to
technical personnel in the metallurgical and machine-building industries.

COVERAGE: The book deals with processing techniques, roll pass design, and equip-
ment of mills used in the production of various rolled products. The authors give
methods for designing basic parameters of rolling processes and rolling equipment.
The following personalities are mentioned: G.K. Laur, Deputy Chief Engineer of the
Magnitogorskiy metallurgicheskiy kombinat imeni I.V. Stalina (Magnitogorsk Metal-
lurgical Combine imeni I.V. Stalin); N.P. Gromov, Docent, Candidate of Technical
Sciences (who reviewed the manuscript); Ya. L. Vatkin; and the members of the

Card 1/2

Manufacture of Rolled Products

SOV/4549

Department of Rolling of the Moskovskiy institut stali imeni I.V. Stalina (Moscow Institute of Steel imeni I.V. Stalin). Also cited are textbooks on rolling used by students in schools of higher technical education. There are 161 references, all Soviet.

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COPY 2/2

ZAROSHCHINSKIY, Mikhail Leont'yevich; POLUKHIN, P.I., prof., doktor tekhn. nauk, retsenzent; GROMOV, N.P., prof., retsenzent; FEDOSOV, N.M., prof., retsenzent; VAGIN, A.A., red. izd-va; DUBUZHINSKAYA, L.V., tekhn. red.

[Technological principles of rolling mill design]Tekhnologicheskie osnovy proektirovaniia prokatnykh stanov. Moskva, Metallurgizdat, 1962. 443 p. (MIRA 15:12)
(Rolling mills—Design and construction)

FEDOSOV, N. M.

(40)

PHASE I BOOK EXPLOITATION SOV/6044

Rokotyan, Ye. S., Doctor of Technical Sciences, Ed.
Prokatnoye proizvodstvo; spravochnik (Rolling Industry; Handbook)
v. 2. Moscow, Metallurgizdat, 1962. 685 p. 8500 copies
printed.

Authors: P. A. Aleksandrov, Doctor of Technical Sciences;
V. P. Anisiforov, Candidate of Technical Sciences; V. I. Bayrakov,
Candidate of Technical Sciences; M. V. Baranich, Candidate
of Technical Sciences; B. F. Bakhnikov, Candidate of Technical
Sciences (deceased); B. A. Bryukhanenko, Candidate of Economic
Sciences; M. V. Vasil'chikov, Candidate of Technical Sciences;
A. I. Vitkin, Doctor of Technical Sciences; S. P. Granovskiy,
Candidate of Technical Sciences; P. I. Grudev, Candidate of
Technical Sciences; I. V. Gunin, Engineer; N. Ya. Dzugutov,
Candidate of Technical Sciences; V. G. Drozd, Candidate of
Technical Sciences; N. P. Yermolayev, Engineer; G. M. Katsnel'son,
Candidate of Technical Sciences; M. V. Kovynev, Engineer;
M. Ye. Eugayenko, Engineer; N. V. Litovchenko, Candidate of
Technical Sciences; Yu. M. Matveyev, Candidate of Technical

Card 1/4

Rolling Industry; Handbook

SOV/6044

(40)

Sciences; V. I. Meleshko, Candidate of Technical Sciences; N. V. Melkov, Engineer; A. K. Ninburg, Candidate of Technical Sciences; V. D. Nosov, Engineer; B. I. Panchenko, Engineer; O. A. Plyatskovskiy, Candidate of Technical Sciences; I. S. Pobedin, Candidate of Technical Sciences; I. A. Prymak, Professor, Doctor of Technical Sciences [deceased]; A. A. Protasov, Engineer; M. M. Saf'yan, Candidate of Technical Sciences; N. M. Fedosov, Professor; S. N. Filippov, Engineer [deceased]; I. N. Filippov, Candidate of Technical Sciences; I. A. Fomichev, Doctor of Technical Sciences; M. Yu. Shifrin, Candidate of Technical Sciences; E. R. Shor, Candidate of Technical Sciences; M. V. M. M. Shternov, Candidate of Technical Sciences; M. V. Shuralev, Engineer; I. A. Yukhets, Candidate of Technical Sciences; Eds. of Publishing House: V. M. Gorobinchenco, R. M. Golubchik, and V. A. Rymov; Tech. Ed.: L. V. Dobushinskaya.

PURPOSE: This handbook is intended for engineering personnel of metallurgical and machine-building plants, scientific research

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Rolling Industry; Handbook

SOV/6044

(40)

institutes, and planning and design organizations. It may also be used by students at schools of higher education.

COVERAGE: Volume 2 of the handbook reviews problems connected with the preparation of metal for rolling, the quality and quality control of rolled products, and designs of roll passes in merchant mills. The following topics are discussed: processes of manufacturing semifinished and finished rolled products (the rolling of blooms, billets, shapes, beams, rails, strips, wire, plates, sheets, and the drawing of steel wire), hot-dipped tin plates, lacquered plates, floor plates, tubes made by different methods, and special types of rolled products. Problems of the organization of rolling operations are reviewed, and types of rolled products manufactured in the USSR are shown. No personalities are mentioned. There are no references.

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POLUKHIN, P. I., prof., dokter tekhn. nauki; FEDOSOV, N. M., prof.;
KRUPIN, A. V., kand. tekhn. nauk; TARASEVICH, Yu. F., inzh.

Resistance to deformation in rolling carbon and chromium steels.
Sbor. Inst. stali i splav. no.40:84-99 '62.
(MIRA 16:1)

(Rolling(Metalwork))
(Deformations(Mechanics))

POLUKHIN, P. I., prof., dokter tekhn. nauk; FEDOSOV, N. M., prof.;
KRUPIN, A. V., kand. tekhn. nauk; MATEROV, V. A., inzh.;
SHILKOV, B. N., inzh.; MAKSIMOV, B. M., inzh.

Increase in width during rolling with drawing dies. Sbor. Inst.
stali i splav. no. 40:100-106 '62. (MIRA 16:1)

(Drawing(Metalwork))

1.1300

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8/848/62/000/040/001/005
E191/E481

AUTHORS: Fedosov, N.M., Professor; Astakhov, I.G. and Krupin, A.V., Candidates of Technical Sciences; Arkhangel'skaya, K.Yu., Arkhangel'skiy, A.V., Yelin, I.I., Kontsevaya, Ye.M., Engineers

TITLE: Investigation of the specific pressure in the cold rolling of high alloy steel

SOURCE: Moscow. Institut stali i splavov. Sbornik. no.40, 1962.
Protsessy prokatki. 107-129

TEXT: Investigations are reported on the effect of lubrication, initial thickness of the sheet, number of passes and reduction factor upon the specific pressure in the cold rolling of stainless steels 1X21H5T (ЭИ811) [1Kh21N5T (EI811)] and 1X18H2Г5Н (ЭП26) [1Kh18N2G5N (EP26)]. The former belongs to the ferritic-austenitic class, is a substitute for 1X18H9T (ЭЯ1Т) [1Kh18N9T (EYalt)] stainless steel and contains 0.1 to 0.16% C, 0.8% Si, 0.4 to 0.8% Mn, 22 to 20% Cr, 4.5 to 5.8% Ni, 0.7% Ti, 0.03% S and 0.035% P. Heat treatment is not required after welding. The steel possesses increased strength combined with adequate ductility and weldability. 1Kh18N2G5N steel contains

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S/848/62/000/040/001/005
E191/E481

Investigation of the specific ...

0.09% C, 0.45% Si, 4.93% Mn, 18.85% Cr, 2.08% Ni, 0.19% Ti, 0.012% S, 0.03% P, 0.19% N, and belongs to the stainless steels of the transition class with unstable austenite, which after cold rolling and sub-zero treatment partially disintegrates, forming martensite. The rolling was carried out in the four-high laboratory mill having 180 mm diameter cylindrical working rolls and 360 mm diameter back-up rolls. The surface speed of the working rolls was 0.565 m/sec. Universal load cells with strain gauge elements measured the pressure on the rolls. The strain gauges connected in compensating bridges had their signals electronically amplified and recorded by electromagnetic oscilloscopes. The specific pressure was computed from the measured load. The effect of the reduction factor on the tensile strength and elongation and on the magnetization at saturation was examined for the two steels investigated and the steel they replace. The behaviour of all three is similar. The differences in mechanical properties are discussed in detail. The low nickel steel reaches magnetizations up to 13000 gauss after reductions of 30% and over. The effect of the initial thickness of the hot

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Investigation of the specific ...

S/848/62/000/040/001/005
E191/E481

strip, in the range between 0.5 and 2.0 mm and reduction factors between 10 and 50%, on the specific pressure was examined, showing a consistent reduction as the initial thickness increases. Lubrication with machine oil and castor oil has a substantial effect on the cold rolling pressure, the latter giving consistently lower values. Both steels behave similarly. The effect of splitting up the total reduction between different passes is shown in graphs plotted from numerous measurements. The effect is shown to be very small for both steels investigated throughout the range of strip thicknesses, reduction factors and lubricating oils examined. There are 14 figures and 4 tables.

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EWP(q)/EWT(m)/BDS--APFTC/ASD--JD

ACCESSION NR: AP3001377

3/0148/63/000/005/0129/0135

60

59

AUTHOR: Astakhov, I. G.; Krumin, A. V.; Fedorov, N. M.; Shilkov, V. B.; Pustovalov, U. V.; Kontsevaya, Ye. M.

TITLE: Specific pressure during cold rolling of alloy El602 and steel El962

SOURCE: IVUZ. Chernaya metallurgiya, no. 5, 1963, 129-134

TOPIC TAGS: cold rolling, austenite (El602), martensite (El962), deformation, gage of flat product, lubrication characteristics, hardening temperature, cogging, yield strength, relative elongation

ABSTRACT: The change in specific pressure of austenite (El602) and martensite (El962) steel during cold rolling are examined as a function of deformation, gage of flat product, and lubrication characteristics. The influence of hardening temperature on cogging characteristics are studied at various specific pressures, and as a function of yield strength and relative elongation. Traditional rolling production practice and theory was confirmed quantitatively in measurements of change of specific pressure during cold rolling in relation to gage of flat product. Orig. art. has: 2 tables, 7 figures, and 4 references.

Moscow Inst. of Steel and Alloys

Card 1/2

FEDOSOV, N.M.; SHARIPOV, E.I.; KUNAKOV, Ya.N.; OREKHOVA, R.S.

Mechanical properties of iron-silicon alloys. Izv. vys. ucheb. zav.; chern. met. 6 no.11:182-185 '63. (MIRA 17:3)

1. Moskovskiy institut stali i splavov.

S/0031/64/000/008/0082/0087

ACCESSION NR: AP4045064

AUTHORS: Fedosov, N. M.; Sharipov, E. I.; Kunakov, Ya. N.

TITLE: Optimal temperature for hot rolling of high-silicon steels

SOURCE: AN KazSSR. Vestnik, no. 8, 1964, 82-87

TOPIC TAGS: high silicon steel, hot rolling, resistance furnace, plastic deformation, yield limit/ 800 rolling mill, 150 rolling mill, P4 testing machine

ABSTRACT: To determine the temperature for hot-rolling of high-silicon steels that would result in good ductility, minimal resistance to plastic deformation, and favorable grain orientation, the authors studied the relation between the properties of various steels, their silicon content, and the rolling temperature. Steels with silicon content of 3.3-6.4% were melted in both vacuum and open electric furnaces. Each ingot (cross section 90 x 90 mm, weight 24 kg) was hot-rolled in a standard industrial mill 800 to obtain strips 2.8 mm thick (from which specimens 25 mm wide and 100 mm long were obtained). These were rolled in a laboratory machine of the type 150 at a rate of 0.24 m/sec. The test specimens (3 mm in diameter and 20 mm in working length) were heated in a tubular resistance furnace and then tested until fracture in a machine of the type P-4, using a load of 4000 kg. The experiments were conducted in a temperature range of 20-600C at intervals of 100C, with 3-5

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ACCESSION NR: AP4045064

specimens tested at each temperature. It was found that the ductility of the specimens decreased with the silicon content (when the content was higher than 5% the relative elongation and the transverse contraction were close to zero). The yield limit decreased gradually with increasing temperature up to 500C and more abruptly thereafter. On the basis of data obtained in this work, the following optimal temperatures are recommended: for a silicon content of 3.5 to 4% --100 to 200C, for 4.5 to 5% --250 to 300C, and for 5.5 to 6.5% --400 to 500C. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

ENCL: 00

SUBMITTED: 00

OTHER: 005

SUB CODE: MM

NO REF Sov: 005

Card 2/2

FEDOSOV, N.M.; SHARIPOV, E.I.; KUNAKOV, Ya.N.; LYUKEVICH, V.I.

Choosing the optimum temperature for the hot rolling of
transformer steels. Vest. AN Kazakh. SSR 20 no.1:64-67
(MIRA 17:3)
Ja '64.

FEDOSOV, N.M.; SHARIPOV, E.I.; KUNAKOV, Ya.N.

Optimum temperature of hot rolling of high-silicon steels.
Vest. AN Kazakh. SSR 20 no.8:82-87 Ag '64.

(MIRA 17:11)

FEDOSOV, N.M.; PAPCHENKO, V.P.; POTAPOV, V.I.

Development of a deformation texture in cold-rolled transformer
steel. Izv. vys. ucheb. zav.; chern. met. 8 no.9:108-111 '65.
(MIRA 18:9)

1. Moskovskiy institut stali i splavov.

FEDOSOV, N.M.; KALOSHIN, I.N.; NIKITIN, I.O.

Contact area during rolling in breakdown passes oval to square and oval to edging oval. Izv. vys. ucheb. zav.: chern. met. 8 no.11:74-79 '65. (MIRA 18:11)

1. Moskovskiy institut stali i splavov.

PANCHENKO, V.I.; FEDOSOV, N.M.; POTAPOV, V.I.

Attachments for the URS-50 I X-ray apparatus for texture studies.
Zav. lab. 31 no.9:1150-1151 '65. (MIRA 18:10)

1. Moskovskiy institut stali i splavov.

FEDOSOV, N.M.; PAPCHENKO, V.I.; POTAPOV, V.I.

Effect of technological lubricants on the development of a
deformation texture in cold rolled transformer steel. Izv.
vys. ucheb. zav.; chern. met. 8 no.11:80-82 '65.
(MIRA 18:11)

1. Moskovskiy institut stali i splavov.

ROZOVSKIY, M.S., kand. tekhn. nauk; FEDOSOV, O.P., inzh.

Apparatus for measuring radial pressure diagrams of a piston ring.
Trakt. i sel'khozmash. 33 no.9:38-41 S '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut tekhnologii traktornogo i
sel'skokhozyaystvennogo mashinostroyeniya.
(Piston rings) (Measuring instruments)

~~FEDOSOV, Petr Fedorovich; VASILENKO, Mikhail Stepanovich; KOKHANOVSKIY, A.M.,~~
~~red.; MOISEYEV, I.A., red.; SAYTANIDI, L.D., tekhn.red.~~

[Promoting progressive practices in the district; work practices of
the party organization, Budennov District, Belgorod Province]

Propaganda peredovogo opyta v raione; iz praktiki raboty partiinoi
organizatsii Budennovskogo raiona Belgorodskoi oblasti. Moskva,

Izd-vo M-va sel'skogo khoz. RSFSR, 1957. 61 p. (MIRA 11:5)

(Krasnogvardeyskoye District (Belgorod Province)--Stock and
stockbreeding)

SHUKLETOV, V.T.; FEDOSOV, P.M., dotsent, nauchnyy red.; MURASHEV, A.A.,
red.

[Organizational and economic consolidation of collective farms,
and the rise in the material prosperity of the collective-farm
peasantry from 1953-1957; based on data for Novosibirsk Province]
Organizatsionno-khoziaistvennoe ukreplenie kolkhozov i pod'ezdov
material'nogo blagosostoianiia kolkhoznogo krest'ianstva v 1953-
1957 godakh; po materialam Novosibirskoi oblasti. Moskva, Izd-vo
VPSH i AON pri TsK KPSS, 1960. 65 p. (MIRA 13:5)
(Novosibirsk Province--Collective farms)

FEDOSOV, V.; SHVARTSMAN, Ya.

Pages from the life of Grigorii Gulytiaevel. Kryl. rod. 14
no. 12:9-11 D '63. (MIRA 17:2)

~~FEDOSOV V.; ORACHEV, V. A.~~

~~"Peat transportation and mechanization of loading operations."~~

Report submitted for the 2nd International Peat Congress, Leningrad,
15-22 Aug 63.

FEDOSOV, V. I. SHVARTSMAN, Ya.

They have to chart the courses in the sky. Kryl. red. 15 no. 7:12-13 J1
'64. (MIRA 18:1)

FEDOSOV, V.

Communist Youth League spirit. Kryl.rod. 13 no.6:12
Je '62. (MIRA 19:1)

FEDOSOV, V. A.

Experience in managing labor in incomplete transverse septum of
the vagina. Akush. i gin. no. 4:79 '62. (MIRA 15:7)

1. Is Bezhitskogo rodil'nogo doma goroda Bryanska (glavnnyy vrach
V. A. Fedosov)

(LABOR, COMPLICATED)
(VAGINA—ABNORMALITIES AND DEFORMITIES)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041272

KOSTROMIN, V.G.; FEDOSOV, V.A.; BRODSKIY, I.S.

Model workshop. Mashinostroitel' no.8:30-32 Ag '65.
(MIRA 18:11)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041272

FEDOSOV, V.G., gvardii polkovnik voyennyy shturman pervogo klassa

Determining the safe time spacing during the flights under difficult
meteorological condititons. Vest.Vozd.Fl. no.5:49-53 My '60,
(MIRA 13:7)

(Airplanes--Piloting)

ACCESSION NR: AP4041132

S/0149/64/000/003/0131/0132

AUTHOR: Fedosov, V. N.; Liopo, V. A.; Nadol'skiy, A. P.

TITLE: A study of the structure of scandium oxide at various temperatures

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 3, 1964, 131-132

TOPIC TAGS: scandium oxide structure, lattice constant

ABSTRACT: The structure of scandium oxide was studied at temperatures up to 880°C by means of x-ray diffraction analysis. Specimens of scandium powder were heated at a rate of 2°C per minute and held at each test temperature for 15 min. It was found that all diffraction lines of scandium oxide match satisfactorily with those of an Mn_2O_3 -type Bcc lattice. The lattice constant of scandium oxide increased linearly from 9.843 Å at 20°C to 9.907 Å at 880°C. No other changes were observed in the lattice of scandium oxide. The calculated linear expansion coefficient of scandium oxide in the 20—880°C range

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ACCESSION NR: AP4041132

is $66.6 \cdot 10^{-6}$ Å/degree C. Orig. art. has: 2 figures.

ASSOCIATION: Irkutskiy politekhnicheskiy institut. Kafedra
metallurgii tyazhalykh metallov (Irkutsk Polytechnical Institute,
Department of the Metallurgy of Heavy Metals)

SUBMITTED: 01Jun63

ATD PRESS: 3050

ENCL: 00

SUB CODE: IC, OP

NO REF Sov: 002

OTHER: 001

Card 2/2

NOVIKOVSKIY, V.E., inzh.; FEDOSOV, Yu.G., inzh.

Colmatation of canals in the Kara Kum, Gidr. i mel. 12 no. 12:39-
47 D '60. (MIRA 14:1)
(Kara Kum Canal--Seepage)

FEDOSOVI, I.

ZEDANOV, V.; KHRISTOV, L.; MURAV'YEV, M.; RYZHOV, A.; VASHKOV, V.; FEDOSOVA, A.
POGODINA, L.; KLECHTOVA, A.; SUBBOTIN, A.; ZAKHAROVA, Ye.; GANDEL'S-
MAN, B.; SAZONOVA, N.; ZEVAKINA, I.; KUDRINSKIY, I.; MISKAROV, D.;
KHANENYA, F.

Professor A.N.Tregubov; obituary. Gig. i san. 21 no.10:63 o '56.
(MLRA 9:11)
(TREGUBOV, ALEXANDER NIKOLAEVICH, 1888-1956)

5.5600

26524
S/065/61/000/008/009/009
E194/E135

AUTHORS: Lulova, N.I., Piguzova, L.I., Tarasov, A.I., and
Fedosova, A.K.

TITLE: Checking the quality of synthetic samples of
molecular sieve type adsorbents by gas chromatography

PERIODICAL: Khimiya i tekhnologiya topliv i masel,
1961, No.8, pp. 59-63

TEXT: The VNII NP (All-Union Scientific Research Institute
of the Petroleum Industry) is developing molecular sieve
adsorbents and in this connection it was necessary to develop a
method for assessing the quality of samples of molecular sieves.
The method is based on the possibility of chromatic separation on
molecular sieves of such components as oxygen and nitrogen, which
are not separated by other adsorbents. The instrument used was a
standard chromatograph type XЛ-3 (KhL-3) which was described in
an article by P.A. Frolovskiy (Ref.4; Khimiya i tekhnologiya
topliv i masel, No.7, 1961, pp. 44-49). Samples of molecular
sieve were charged into the chromatograph column, which was 1 m
long, 6 mm in diameter, with a thermostat temperature of 40-45 °C.

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Hydrogen was passed at a rate of 120 ml per minute and argon at 40 ml per minute. The weight of zeolite in the column was 21 g. The tests were made with a standard four component gas mixture:

Oxygen 2.0 - 4.0 % volume
Nitrogen 7.5 - 15.0 % volume
Methane 60.0 - 65.0 % volume
Carbon monoxide 21.0 - 25.0 % volume

Linde molecular sieves grade 5A (5A) gave clear separation of all components of this mixture under the stated conditions in three minutes. Each newly synthesized specimen of zeolite was tested under analogous conditions to obtain identical chromatograms in analysing this gas mixture. This method of checking molecular sieves is simple and quick. A considerable number of zeolite samples were tested in various stages of synthesis and those which gave good results in gas adsorption chromatography were also good in other analyses such as X-ray analysis and determination of water content. In order to compare the degree of activity of different samples certain chromatographic parameters were worked out, namely, the retention volume, the Henry coefficient and the separation factor, all of which are very suitable for general

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Checking the quality of synthetic ... S/065/61/000/008/009/009
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characterisation of adsorbents. The gas chromatography method was also used to check qualitative changes in adsorbents during the process of heat treatment. Reactivation by heat treatment was carried out at various temperatures: results were good at 650 °C, better at 700 °C, but raising the temperature to 800 °C decreased the activity of the molecular sieve. There are 3 figures, 2 tables and 8 references: 4 Soviet and 4 English. The English language references read:
Ref.1: Petroleum Refiner, Vol.38, No.37, 136-140, 1957.
Ref.3: S.A. Green, M.L. Moberg, E.M. Wilson. Anal. Chem. No.9, 1369-1370.
Ref.5: R.M. Barrer. Brenst Chem. B.C. Vol.35, 21/22.
Ref.2: R. Miltor. Adsorbents of the Molecular-sieve Type, American Patent No. 2882244, 14.4.59.

ASSOCIATION: VNII NP

Card 3/3

PHASE I BOOK EXPLOITATION

sov/6246

128

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniiye, issledovaniye i primeneniiye
(Synthetic Zeolites: Production, Investigation, and Use). Mos-
cow, Izd-vo AN SSSR, 1962. 286 p. (Series: Its: Doklady)
Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh
nauk. Komisiya po tseolitam.

Resp. Eds.: M. M. Dubinin, Academician and V. V. Serpinskiy, Doctor
of Chemical Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P.
Golub'.

PURPOSE: This book is intended for scientists and engineers engaged
in the production of synthetic zeolites (molecular sieves), and
for chemists in general.

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Synthetic Zeolites: (Cont.)

SOV/6246

COVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad 16 through 19 March 1961 at the Leningrad Technological Institute imeni Lensoveta, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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Tsitsishvili, G. V., and G. D. Bagratishvili. IR Spectra
of Water and Heavy Water Adsorbed on Zeolites

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Shirinskaya, L. P., and M. P. Yermolenko. Applicability of
the General Laws of Ion Exchange to Exchange on Synthetic
Zeolite CaA

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Neymark, I. Ye., A. I. Rastrenenko, V. P. Fedorovskaya, and
A. S. Plachinda. Variation of Adsorption Properties of
Zeolites as a Function of the Degree of Sodium-Ion Sub-
stitution by Other Cations

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Neymark, I. Ye., N. A. Piontkovskaya, A. Ye. Lukash, and
R. S. Tyutynnik. Variation of the Selective Capacity
of Synthetic Zeolites

49

Lulova, N. I., L. I. Puganova, A. I. Tarasev, and A. K. Fedoseva.
Investigation of Synthetic Zeolites With the Aid of Gas
Chromatography

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Card number 5/5

LULOVA, M.I.; PEGUZOVA, L.I.; TARASOV, A.I.; FEDOSOVA, A.K.

Gas chromatography used for investigating adsorbents of
molecular sieve type. Khim. i tekhnol. i masel 7 no.5:70-73
My '62. (MIRA 15:11)

(Adsorbents) (Gas chromatography)

LULLOVA, N.I.; TARASOV, A.I.; FEDOSOVA,

I.K.; LEONT'YEVA, S.A.

Use of gas chromatography for investigating gases and light
gasolines. Khim.i tekhn.topl.i
asel 7 no.9:14-19 S '62.
(MIRA 15:8)

1. Vsesoyuznyy nauchno-issledov tel'skiy institut po pererabotke
nefti i gazov i polucheniyu ik satvennogo shidkogo topliva.
(Hydrocarbons) (Gas c
romatography)

LULOVA, N.I.; TARASOV, A.I.; FEDOSOVA, A.K.; LEONT'YEVA, S.A.; KVASOVA, V.A.

Analysis of the wide fractions of straight-run gasoline by gas-
liquid chromatography. Khim. i tekhn. topl. i masel 8 no.12:
21-28 D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

FEDOCHOVA, A. N.

FEDOCHOVA, A. N. "The sterility of factory-produced bandaging material in relationship to the length of time and conditions under which it has been stored", (In index: Feserova, A. F.), Trudy Tsentr. nauch.-issled. dezinfekts. in-ta, Issue 5, 1959, p. 109-13.

so: U-4631, 16 Sept 53, (Letopis 'Zhurnal 'nykt Statey, No. 24, 1949).

FEDOSOVA, A.V.

Experimental work on the farm young naturalist in Murmansk Province. Biol. v shkole no.6:58-59 N-D '61. (MIRA 14:11)

1. Direktor Murmanskoy oblastnoy stantsii yumatov.
(Murmansk Province--Agriculture--Experimentation)

FEDOSOVA, B. M.

PA 190159

USSR/Medicine - New Drugs

May 51

"A New Analgesic, Phenadon [Methadone]"

"Nauki i Zhizn!" Vol. XVIII, No 5, p 16

O. Yu. Magidson, Laureate of Stalin Prize, Dr Chem Sci. and B. M. Fedosova, Cand Chem Sci, both of the All-Union Chem Phar Inst, developed production method for new analgesic, phenadon, more effective than morphine and not causing its aftereffects. Doses of 5-6 mg taken internally at 10-15 min intervals eliminate strong pain. Inst pilot plant is putting out the new drug.

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PAKHOMOV, S.P., kand.biol.nauk; PEDOSSVA, G.V.

Pond fish culture. Priroda 10 no.449-52 Ap '61. (MIRA 14:4)
I. Vserossiyskiy nauchno-issledovatel'skiy institut rybovedstva,
rybnogo khozyaystva, Moskva.
(Fish culture)